



My **passion** for computing and software development began from a very young age; and throughout the course of subsequent **decades**, my **eye for detail** and **can-do attitude** have resulted in a deep wealth of **knowledge** and **experience** in programming effective, and sometimes intriguing solutions to a wide range of **business opportunities**.

Senior Software Engineer

Capnova Limited
Sep 2023 - Oct 2023

- » **Technical expert** on everything .net for the team, leading design & implementation conversations for the next major revamp of the flagship.
- » Performed **broad spectrum** clean-up **refactors** on the flagship product, paying technical debt built over the years while also delivering feature work.
- » Led conversations focusing on improving **UI & UX**, as well as **accessibility** story for the flagship product.
- » **Mentored** fellow teammates, in addition to performing **code reviews**.
- » Received a **glowing letter of recommendation** for my work.
- » Unfortunately, the company went in Administration (PDF), in my second month of appointment, resulting in the short engagement.

Contracting & Freelancing

Mav's Work
Jan 2022 - To Date

- » Leveraged my extensive network and expertise to work on diverse projects in **freelancing** capacity, continuously expanding my knowledge and skills.
- » **Mentored** and served as a technical expert for **Moon Prints**, an eight-month project involving HTML5 Canvas powering the embedded **art designer**, enabling personalised print for consumers' needs.
- » Performed IT project work setting up everything online from scratch from **domain purchase** to setting up **CI/CD web hosting** (this cv is **deployed** via CD) to setting up **DKIM/DMARC/SPF** details for email flow.
- » Invested in my professional growth by **engaging** in various latest technical developments such as **Zig**, **Bun**, **ArrowJS**, & **Stric**

Business Applications Delivery Manager

Zenzero Solutions Ltd
Jun 2021 - Dec 2021

- » Played an essential role in the company's strategic growth by leading **investment decisions** alongside the board.
- » Coordinated and managed **migration plans** of legacy software to modern technology stacks (**.Net/Power Platform**) while mentoring team members on latest best practices.
- » Facilitated expansion as **team leader** & **line manager**, ensuring high morale and cultivating individual growth amongst team members.

Key Skills

- C# / LINQ / EF
- Performant Code
- Razor/Svelte
- WPF/XAML/MVVM
- SQL/DDL
- Data Analysis
- API services
- TypeScript
- F#
- Xamarin
- Git
- MSSQL/Postgres
- Azure
- PowerShell
- Team Leadership
- Team Mentoring
- Line Management
- Security
- Privacy
- Accessibility
- Windows Admin
- Linux Admin



Development Manager

AWSM Technologies Ltd
Sep 2019 - May 2021

- » Spearheaded a team of 26 developers (including 9 seniors) leading technically as well as line management, leveraging their combined capabilities to deliver a top-tier flagship payroll product.
- » Key participant in board meetings during strategic decisions around future development and investment.
- » Upskilled the team through ongoing detailed code reviews and regular training sessions. I'm particularly proud of having trained a graduate with a business focused degree, from the ground up, into a core team developer working on the flagship product.
- » Fostered self-sufficiency and ownership within the team.
- » Led various Agile meetings including Sprint planning, Daily stand-ups, Retrospectives.

Senior Developer

AWSM Technologies Ltd
Sep 2018 - Aug 2019

- » Lead developer for flagship payroll product.
- » Significantly boosted performance across all aspects of the flagship product.
 - » Reduced the most used and data-rich page renders from 40+ to 0.64 seconds average through service code and Entity Framework query optimisations.
 - » Improved a second heavily used page's performance from 30 to 0.07 seconds on average.
 - » The biggest improvement was in a reporting page where the time to render thousands of results was brought down from 180 to 1.2 seconds on average.
- » Performed highly skilled code refactors across entire codebase (that had no tests or documentation). The achievement I am most proud of was an invoice rounding code standardisation that was successfully completed as 200,000 lines refactor involving both C# code & SQL strings interspersed in code with no test coverage.

Software Architect

Backbone (UK) Limited
Jun 2010 - Aug 2018

- » Built full-stack automation projects from profile removals after user logouts to complex cloud infrastructure monitoring for billing & utilisation.
- » Developed desktop apps (client facing & internal tools) using WPF following established best patterns & practices.
- » Conducted data analysis yielding billing & utilisation reports with LINQPad and Excel Power Query (using M functions) from databases, CSV, XML, JSON & XLSX files as well as connecting O-Auth webservice.
- » Technical lead on cyber security and privacy matters offering recommendations to keep the company compliant and safe with ever-changing cyber landscape.



Data Analyst / IT Administrator

- » Designed **key performance metric reports**, enabling informed **data-driven management decisions**.
- » Provided extensive **technical support** covering various aspects of network infrastructure, including MS Exchange, Blackberry Enterprise Server, Avaya phony, **MSSQL Server** and ISA Server.
- » In-house expert for **cyber security** & Excel data analysis.
- » Delivered essential upgrades to ensure company's systems and networks scale with ongoing growth.

NOKIA Telenetworks

May 2005 - Jan 2007

Project Management Processes & Tools Engineer

- » Produced detailed reports for **project management** decisions using tailored **Business Objects** modules.
- » Designed and **optimised existing** deployment processes to increase efficiency and meet very tight deadlines.
- » Designed and deployed complex **Excel 97 workbooks** (using **advanced formulae employing Indirect, Offset etc. ranges & SQL**) to meet specific managerial requirements, including replicating pivot tables **without VBA**.
- » **Automated** repetitive reporting tasks with **VBA** saving **hundreds** of person-hours the course of my employment.
- » Developed **Python** solution for automated data entry, freeing up **thousands** of colleagues man-hours nationwide and significantly increasing **accuracy** of entries.
- » Awarded **Best Team Nationwide 2006** & **Zonal Team Member of the Month Sep 2005**.

APIIT

Sep 2001 - Mar 2005

Network Administrator

- » **Automated** lab deployments to **reduce down times** for machines from days to 30 minutes per machine in a network of 500+ machines.
- » Optimised network and computer systems, achieving a **20-30%** performance increase across the board while **slashing** hardware requirements by **50%** doubling the capacity.
- » Installed **secure segmentations** in the network infrastructure to isolate segments based on **level of privilege**.
- » Migrated windows servers, consolidating to our Linux boxes, leading to budget **savings of 83%** in licensing.